

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION**

MONITORING AND REPORTING PROGRAM NO. 01-160

FOR

CITY OF NEEDLES, OWNER/OPERATOR

WASTEWATER TREATMENT PLANT

Needles - San Bernardino County

Location of Discharge: Section 33, T9N, R22W, SBB&M

MONITORING

1. The collection, container selection, preservation, holding times, chain of custody, and chemical analysis of all samples shall be in accordance with United States Environmental Protection Agency (USEPA) approved procedures and methods given in 40 CFR 136. All analyses shall be conducted by a laboratory certified by the State Department of Health Services to perform the required analyses.
2. The secondary effluent resulting from the treatment in SBRs and equalization basin will be sampled before its discharge into the percolation pond.
3. If the facility is not in operation, or there is no discharge during a required reporting period, the discharger shall forward a letter to the Regional Board indicating that there has been no activity during the required reporting period.

INFLUENT MONITORING

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Flow to SBRs	MGD ¹	Metered	Daily
Biochemical Oxygen Demand (BOD ₅)	mg/L ²	24-Hour Composite	Weekly
Total Suspended Solids	mg/L	24-Hour Composite	Weekly

EFFLUENT MONITORING

A sampling station shall be established at a point after the final secondary treatment process, but before discharge into the percolation pond, where representative samples of the effluent can be obtained. Wastewater discharged to the percolation pond shall be monitored for the following constituents:

¹ MGD - Million Gallons-per-Day

² mg/L - Milligrams-per-Liter

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Flow to Percolation Ponds	MGD	Metered	Daily
BOD ₅	mg/L	24-Hr. Composite	Weekly
Total Suspended Solids	mg/L	24-Hr. Composite	Weekly
Dissolved Oxygen	mg/L	Grab at Peak Flow	Daily
Hydrogen Ion (pH)	mg/L	Grab at Peak Flow	Daily
Total Dissolved Solids	mg/L	24-Hr. Composite	Monthly
Total Phosphate	mg/L	24-Hr. Composite	Monthly
Ammonia as Nitrogen	mg/L	24-Hr. Composite	Monthly
Total Nitrogen	mg/L	24-Hr. Composite	Monthly
Nitrate as Nitrogen	mg/L	24-Hr. Composite	Monthly
Nitrite as Nitrogen	mg/L	24-hr. Composite	Monthly
Fluoride	mg/L	24 Hr. Composite	Quarterly
Sulfate	mg/L	24-Hr. Composite	Quarterly
Chloride	mg/L	24-Hr. Composite	Quarterly
Volatile Organic Compounds (EPA Methods 624/625)	µg/L ³	Grab	Annually

WATER SUPPLY MONITORING

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Total Dissolved Solids	mg/L	Composite	Monthly
Chloride	mg/L	Composite	Quarterly
Sulfate	mg/L	Composite	Quarterly

Existing water supply data obtained to satisfy State Department of Health Services requirements may be used to fulfill these requirements.

³ µg/L - micrograms-per-Liter

OPERATION AND MAINTENANCE

An annual report shall be submitted assessing the operational condition of each unit process. The report shall also contain a log of all major repairs and maintenance activities at the treatment plant.

SLUDGE MONITORING

The discharger shall report the quantity, location, and method of disposal of all sludge and similar solid materials being produced at the wastewater treatment plant facility.

Sludge shall be sampled and analyzed for the following constituents:

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Arsenic	mg/kg ⁴	Composite	Annually
Cadmium	mg/kg	Composite	Annually
Chromium	mg/kg	Composite	Annually
Copper	mg/kg	Composite	Annually
Lead	mg/kg	Composite	Annually
Mercury	mg/kg	Composite	Annually
Molybdenum	mg/kg	Composite	Annually
Nickel	mg/kg	Composite	Annually
Selenium	mg/kg	Composite	Annually
Zinc	mg/kg	Composite	Annually
Fecal Coliform	MPN/gram	Composite	Annually

PRETREATMENT REPORT

In the event that the discharger is required to implement a pretreatment program then the discharger shall submit reports as required in accordance with Section F.

⁴ mg/kg - Milligrams-per-kilogram

REPORTING

1. The discharger shall arrange the data in tabular form so that the specified information is readily discernible. The data should be summarized in such a manner as to clearly illustrate whether the facility is operating in compliance with waste discharge requirements.
2. Records of monitoring information shall include.
 - a. Chain of custody form(s) containing the following information: sample number and its location; date and time of sampling, sampler's name; sample type, matrix, container and preservative used, analytical methods to be used; date and time of receipt of samples by the representative of the certified laboratory;
 - b. Date analyses were performed, and the individual(s) who performed the analyses;
 - c. The analytical techniques or methods used; and
 - d. The results of such analyses. Analytical results of the pollutants exceeding the background concentrations will be highlighted, reasons for exceedance discussed, and the corrective actions taken to prevent exceedance in the following reporting periods shall be included in the reports submitted to this Board.
3. Monitoring reports shall be certified under penalty of perjury to be true and correct, and shall contain the required information at the frequency designated in this monitoring report.
4. Each report shall contain the following statement:

"I declare under the penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment for knowing violations."
5. A duly authorized representative of the discharger may sign the documents if:
 - a. The authorization is made in writing by the person described above;
 - b. The authorization specified an individual or person having responsibility for the overall operation of the regulated disposal system; and
 - c. The written authorization is submitted to the Regional Board's Executive Officer.
6. Reporting of any failure in the waste disposal system shall be as described as in Provision No. 8 to the Regional Board Office and to the Office of Emergency Services.
7. Daily, weekly and monthly monitoring reports shall be submitted to the Regional Board by the 15th day of the following month. Quarterly monitoring reports shall be submitted by January 15, April 15, July 15, and October 15 of each year. Annual reports shall be submitted by January 15 of each year.

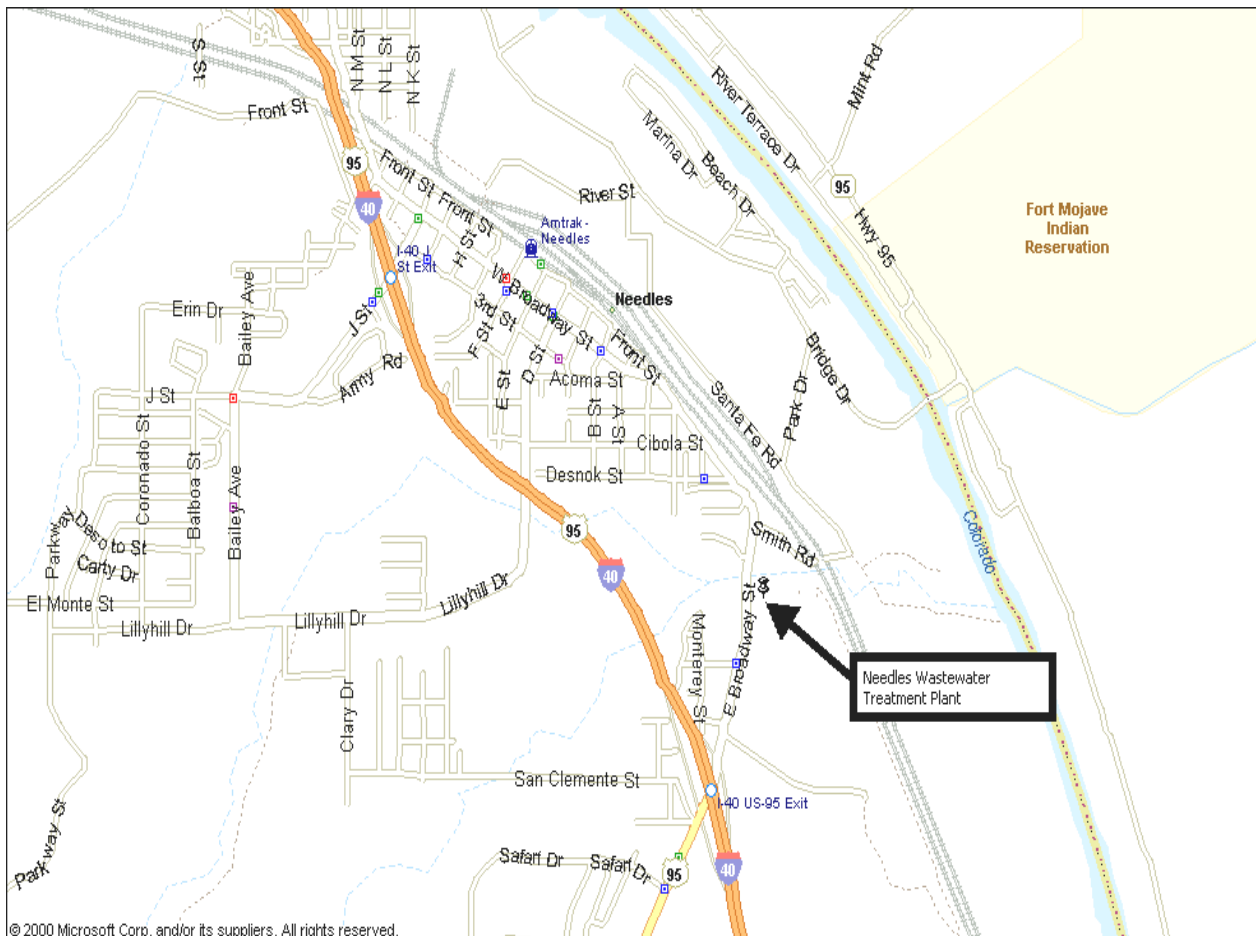
8. Submit monitoring reports to:

California Regional Water Quality Control Board
Colorado River Basin Region
73-720 Fred Waring Drive, Suite 100
Palm Desert, CA 92260

ORDERED BY: _____
Executive Officer

November 14, 2001
Date

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD – 7



Approximate scale 1/2 mile

SITE MAP

CITY OF NEEDLES, OWNER/OPERATOR
WASTEWATER TREATMENT PLANT
Needles – San Bernardino County
Section 33 T9N, R22W, SBB&M

Board Order No. 01-160